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Display EMI & IR Shielding Film

IR2.4

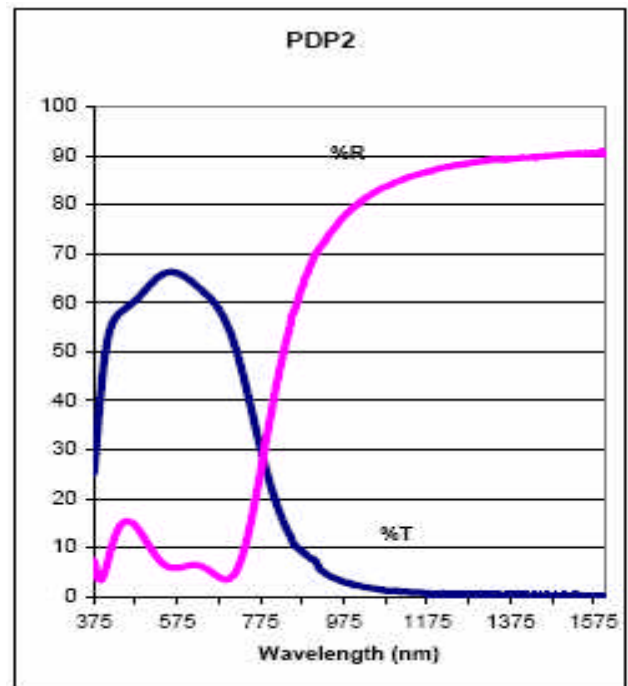
Data Sheet

Applications: ($R_s < 2.4$ ohms/sq.)
 Displays requiring optically clear, highly conductive coated film for EMI & IR shielding.

- Features:**
- Multi-layer transparent conductive coating on flexible PET base film
 - Optical characteristics designed for lamination into a suitable filter structure
 - Significantly reduces problematic EMI and/or IR emissions at display surface
 - Potential to meet FCC Class A standard for EMI shielding
 - For outdoor applications, IR2 provides protection against harmful solar heating
 - Superior uniformity & quality from vacuum sputtered inorganic materials
 - Heat Stabilized PET base - optional

Transmission & Reflection Spectra (Typical)

(Measured on free film in air)

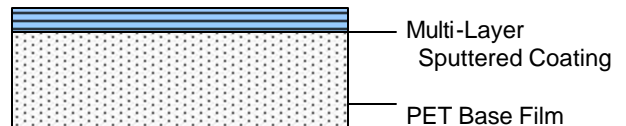


Preliminary Performance Data

(In Laminated Structure)

Parameter	Typical	Description
Tvis	65 %	Visible Transmission
Color b	5.6	Hunterlab
Rvis	5 %	Visible Reflection
T(850)	>9 %	Transmission at 850nm
T(950)	>2.6 %	Transmission at 950nm
Rs	2.4 W/sq.	Sheet Resistance, ohms/sq.
SE: 50MHz	50dB	Shielding Effectiveness
100MHz	42dB	

IR2.4 Cross-Sectional Structure



Product Configuration

- PET thickness: 5 or 7mil (125 or 175 microns)
- Heat Stabilized PET - Optional